

Executive Summary Report

SMOG CHECK Statewide

First Quarter 2011

1. Testing Volume

	All Tests	Failed	Percent (%) Failed
Initial Test	2,777,002	339,850	12.24%
Total	3,192,197	436,401	13.67%

2. Certification Volume

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	2,405,587	86.63%	371,415	13.37%
Total	2,711,249	84.93%	480,948	15.07%

3. Certification Volume (Test Only)

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	1,499,782	86.15%	241,154	13.85%
Total	1,705,649	85.08%	299,175	14.92%

4. Initial Test Failures by Failure Type

	Failed	Percent (%) Failed
Gross Polluters	38,525	1.39%
All Emissions	167,696	6.04%
All Visual	40,195	1.45%
All Functional	217,125	7.82%
OBDII	145,231	5.23%
Overall	339,850	12.24%

5. Initial Tests at Test-Only Stations

	Initial Tests	Certificates Issued
Volunteers	1,008,486	908,570
Directed Vehicles	732,450	591,212
Total	1,740,936	1,499,782

6. Initial Tests at Gold Shield Stations

	Initial Tests	Certificates Issued
Volunteers	165,631	143,769
Directed Vehicles	60,454	45,137
Total	226,085	188,906

7. Number of Stations by Type/Privilege and Program Area

Station Type	Enhanced	Partial	Basic	Change of Ownership	Unknown	Total
Regular Test and Repair	3,621	281	542	27	0	4,471
Test Only	2,490	45	26	1	0	2,562
Basic Area Dealer	0	1	104	0	0	105
Gold Shield	482	27	45	79	0	633
Business Fleet	3	0	0	0	0	3
Permanent Fleet Registered	30	1	4	0	0	35
Referee	36	0	6	1	0	43
Government Fleet	247	9	37	2	0	295
Unknown Type	1	0	0	0	0	1
Total	6,910	364	764	110	0	8,148

8. Initial Test Failures by Program Area

Program Areas	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Enhanced	2,227,140	278,984	12.53%	30,854	1.39%
Partially Enhanced	144,241	20,650	14.32%	2,254	1.56%
Basic	249,431	24,836	9.96%	3,303	1.32%
Change of Ownership	17,344	2,327	13.42%	464	2.68%
No Program	16	2	12.50%	1	6.25%
Unknown Program	138,830	13,051	9.40%	1,649	1.19%
Total Program Area	2,777,002	339,850	12.24%	38,525	1.39%

9. Initial Test Failures by Station Type

Station Types	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Test Only	1,740,936	236,903	13.61%	27,893	1.60%
Regular	780,380	65,278	8.36%	6,186	0.79%
Basic Area Dealer	16,555	730	4.41%	61	0.37%
Gold Shield in Enhanced Area	176,972	28,755	16.25%	3,160	1.79%
Gold Shield in Basic Area	33,218	4,450	13.40%	653	1.97%
Gold Shield in COO Area	15,895	2,137	13.44%	383	2.41%
Business Fleet	16	0	0.00%	0	0.00%
Permanent Fleet Registered	160	16	10.00%	0	0.00%
Referee	1,153	576	49.96%	104	9.02%
Government Fleet	11,714	1,005	8.58%	85	0.73%
Unknown Privilege	3	0	0.00%	0	0.00%
Total	2,777,002	339,850	12.24%	38,525	1.39%

10. Initial Tests by Vehicle Model Year

Model Year	Initial Tests	Failed Overall	Percent (%) Failed Overall	Percent (%) Failed Emissions	Percent (%) Failed Gross Polluters	Percent (%) Failed Functional	Percent (%) Failed Visual	Percent (%) Failed OBDII
MY-1952	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1965	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1973	1	1	100.00%	0.00%	0.00%	100.00%	100.00%	0.00%
MY-1974	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1976	2,963	791	26.70%	18.06%	7.02%	14.44%	7.22%	0.00%
MY-1977	4,051	1,098	27.10%	19.03%	7.18%	15.58%	7.65%	0.00%
MY-1978	4,579	1,250	27.30%	18.65%	7.73%	15.18%	7.84%	0.00%
MY-1979	5,265	1,551	29.46%	21.12%	8.21%	16.64%	8.64%	0.00%
MY-1980	3,164	846	26.74%	19.28%	8.50%	14.41%	7.93%	0.00%
MY-1981	3,558	1,072	30.13%	24.26%	8.99%	15.68%	7.64%	0.00%
MY-1982	4,091	1,231	30.09%	23.27%	9.09%	15.13%	8.16%	0.00%
MY-1983	5,440	1,688	31.03%	24.65%	9.71%	15.29%	7.85%	0.00%
MY-1984	10,045	3,211	31.97%	25.89%	9.92%	15.61%	7.17%	0.00%
MY-1985	13,502	4,282	31.71%	26.00%	9.19%	15.15%	6.70%	0.00%
MY-1986	18,657	5,494	29.45%	23.20%	8.40%	14.70%	6.09%	0.00%
MY-1987	22,132	6,678	30.17%	24.34%	7.80%	14.09%	5.58%	0.00%
MY-1988	27,630	7,911	28.63%	22.85%	7.31%	13.18%	5.06%	0.00%
MY-1989	37,836	10,230	27.04%	21.17%	6.10%	12.96%	4.50%	0.00%
MY-1990	47,776	12,581	26.33%	20.99%	5.55%	12.10%	3.79%	0.00%
MY-1991	56,255	14,301	25.42%	20.15%	5.38%	11.52%	3.35%	0.00%
MY-1992	58,272	14,480	24.85%	19.72%	4.77%	10.45%	3.30%	0.00%
MY-1993	69,981	18,613	26.60%	21.79%	4.35%	10.37%	3.14%	0.00%
MY-1994	86,677	20,539	23.70%	18.42%	3.38%	9.72%	3.01%	0.00%
MY-1995	119,459	24,672	20.65%	15.97%	2.66%	7.96%	2.53%	0.00%
MY-1996	93,741	18,103	19.31%	9.14%	1.52%	12.65%	1.99%	11.65%
MY-1997	155,968	23,906	15.33%	6.52%	1.04%	10.36%	1.48%	9.59%
MY-1998	134,644	19,198	14.26%	5.39%	0.93%	10.21%	1.43%	9.64%
MY-1999	216,994	21,668	9.99%	2.90%	0.49%	7.66%	1.06%	7.28%
MY-2000	154,994	17,404	11.23%	2.72%	0.56%	9.10%	1.07%	8.85%
MY-2001	300,756	29,284	9.74%	1.25%	0.24%	8.73%	0.73%	8.60%
MY-2002	141,003	14,438	10.24%	1.39%	0.28%	9.24%	0.83%	9.14%
MY-2003	331,810	19,583	5.90%	0.68%	0.14%	5.30%	0.47%	5.23%
MY-2004	122,278	7,920	6.48%	0.75%	0.14%	5.82%	0.53%	5.74%
MY-2005	353,821	12,168	3.44%	0.31%	0.06%	3.06%	0.30%	3.00%
MY-2006	54,519	1,633	3.00%	0.70%	0.06%	2.49%	0.34%	2.44%
MY-2007	60,800	1,232	2.03%	0.33%	0.03%	1.80%	0.14%	1.75%
MY-2008	24,657	412	1.67%	0.69%	0.02%	1.51%	0.09%	1.48%
MY-2009	11,355	161	1.42%	0.60%	0.03%	1.29%	0.08%	1.23%
MY-2010	14,752	170	1.15%	0.16%	0.01%	1.00%	0.09%	0.98%
MY-2011	3,572	50	1.40%	0.56%	0.06%	0.92%	0.39%	0.90%
MY-2012	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
All Model Years	2,777,002	339,850	12.24%	6.04%	1.39%	7.82%	1.45%	5.23%

11. Referee Activity

	Certificates Issued
Certificate of Compliance	1,176
Certificate of Non Compliance	1
Parts Cost	763
Hardship Extensions	0
Exempt Vehicle	130
Exempted by Directive	29
Parts Exemption	46
Unknown Outcome	0
Permanently Exempt Vehicle	0
Temporarily Exempt Vehicle	0
	2,145

12. Active Stations

	Station Count
Licensed Stations that did not Conduct a Test	882
Stations Locked-Out at Least Once	805
Stations Conducted at Least One Test	7,266

13. Active Technicians

License Type	Endorsement	Technician Count	Daily Average
EA	Both Endorsement	10,604	5,778
EA	Gas Endorsement	10	0
EB	Both Endorsement	50	0
EB	Gas Endorsement	477	0
GU	Both Endorsement	20	0

14. Inspection Costs

	ASM Initial Test Count	Avg ASM Inspection Cost	TSI Initial Test Count	Avg TSI Inspection Cost	Total Initial Tests	Overall Average Inspection Cost
Test Only	1,527,044	47.43	219,113	48.43	1,746,157	47.56
Test and Repair	512,665	47.12	263,512	46.81	776,177	47.02
Test and Repair Dealer	111	62.53	15,762	53.04	15,873	53.10
Referee	488	30.00	160	30.00	648	30.00
Gold Shield in Enhanced Area	153,721	47.20	24,357	49.16	178,078	47.47
Gold Shield in Basic Area	1,526	62.02	31,739	39.10	33,265	40.15
Gold Shield in COO Area	2,784	53.22	12,903	54.19	15,687	54.02

15. Repair Costs

Repair Type	All Cost Ranges	Repair Count	Average Cost	(All Cost Ranges) Repair Count	(All Cost Ranges) Average Cost
Regular Repairs	\$1-50	15,540	23.16	58,916	254.93
	\$51-150	13,134	100.42		
	\$151-250	9,200	200.23		
	\$251-450	11,603	339.50		
	Over \$450	9,439	800.87		
CAP Repairs	\$1-50	259	24.31	13,092	431.44
	\$51-150	499	104.14		
	\$151-250	914	206.53		
	\$251-450	3,786	359.13		
	Over \$450	7,634	529.43		
Total Repairs	\$1-50	11,758	23.52	61,998	333.36
	\$51-150	10,738	100.54		
	\$151-250	8,658	201.45		
	\$251-450	13,649	344.68		
	Over \$450	17,195	748.08		

16. CAP Repair Costs

	Total Vehicles	Average Repair Cost
CAP Repairs	12,197	431.44

17. Drill-Through

	Program Areas	Station Types	Certificates Issued	Total Failed	Gross Polluters	Tampered	All OBD-II Failed	All Emission Failed	All Functional Failed	All Visual Failed
Acceleration Simulation Mode (ASM)	Basic	Gold Shield in Enhanced Area	22	11	2	0	3	7	7	2
Acceleration Simulation Mode (ASM)	Basic	Test and Repair	117	21	1	1	11	8	13	1

	Program Areas	Station Types	Certificates Issued	Total Failed	Gross Polluters	Tampered	All OBD-II Failed	All Emission Failed	All Functional Failed	All Visual Failed
Acceleration Simulation Mode (ASM)	Basic	Test Only	144	24	4	2	6	15	12	3
Acceleration Simulation Mode (ASM)	Change of Ownership	Referee	1	1	0	0	1	1	1	0
Acceleration Simulation Mode (ASM)	Change of Ownership	Test and Repair	19	3	0	0	0	1	2	0
Acceleration Simulation Mode (ASM)	Change of Ownership	Test Only	20	7	2	0	2	5	3	1
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Basic Area	1,005	225	19	13	80	118	124	36
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in COO Area	2,023	414	40	21	180	209	261	43
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Enhanced Area	108,823	22,911	2,432	1,297	9,472	11,386	14,516	3,104
Acceleration Simulation Mode (ASM)	Enhanced	Government Fleet	0	279	6	3	188	63	218	2
Acceleration Simulation Mode (ASM)	Enhanced	Referee	269	370	72	148	81	201	201	208
Acceleration Simulation Mode (ASM)	Enhanced	Test and Repair	353,531	30,159	2,254	1,622	18,368	10,014	22,667	3,086
Acceleration Simulation Mode (ASM)	Enhanced	Test Only	1,206,296	205,769	24,211	10,771	77,677	113,899	123,342	23,184
Acceleration Simulation Mode (ASM)	No Program	Gold Shield in Enhanced Area	1	1	0	0	0	1	1	0
Acceleration Simulation Mode (ASM)	No Program	Test Only	6	1	1	0	0	1	1	1
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Basic Area	197	71	9	1	29	47	47	2
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in COO Area	160	32	3	1	17	16	19	6
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Enhanced Area	9,302	2,226	242	112	918	1,162	1,370	250
Acceleration Simulation Mode (ASM)	Partial	Government Fleet	0	10	0	0	4	4	6	0
Acceleration Simulation Mode (ASM)	Partial	Referee	7	24	9	9	4	18	14	16
Acceleration Simulation Mode (ASM)	Partial	Test and Repair	59,023	10,243	1,058	543	3,960	5,352	6,302	1,157
Acceleration Simulation Mode (ASM)	Partial	Test and Repair Dealer	54	4	0	1	0	4	1	1

	Program Areas	Station Types	Certificates Issued	Total Failed	Gross Polluters	Tampered	All OBD-II Failed	All Emission Failed	All Functional Failed	All Visual Failed
Acceleration Simulation Mode (ASM)	Partial	Test Only	36,163	6,693	790	405	2,527	3,608	4,000	843
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in COO Area	66	14	1	0	9	4	11	0
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in Enhanced Area	4,357	889	125	74	375	459	577	158
Acceleration Simulation Mode (ASM)	Unknown Program	Government Fleet	0	600	65	2	126	433	180	8
Acceleration Simulation Mode (ASM)	Unknown Program	Referee	39	24	3	8	4	10	12	9
Acceleration Simulation Mode (ASM)	Unknown Program	Test and Repair	37,216	3,148	338	207	1,671	1,316	2,173	387
Acceleration Simulation Mode (ASM)	Unknown Program	Test Only	39,837	5,670	745	393	2,470	2,972	3,560	771
Two Speed Idle (TSI)	Basic	Gold Shield in Basic Area	23,415	3,685	560	284	1,458	1,185	2,521	741
Two Speed Idle (TSI)	Basic	Gold Shield in COO Area	472	63	9	8	30	20	49	9
Two Speed Idle (TSI)	Basic	Gold Shield in Enhanced Area	3,499	634	108	39	297	205	471	97
Two Speed Idle (TSI)	Basic	Government Fleet	0	30	3	0	20	8	22	0
Two Speed Idle (TSI)	Basic	Referee	36	60	11	32	15	18	39	38
Two Speed Idle (TSI)	Basic	Test and Repair	143,864	15,193	1,945	881	6,928	4,528	11,266	2,051
Two Speed Idle (TSI)	Basic	Test and Repair Dealer	11,284	584	56	26	300	148	445	58
Two Speed Idle (TSI)	Basic	Test Only	29,963	4,076	604	211	1,831	1,379	2,837	585
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Basic Area	198	52	8	3	23	17	40	8
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in COO Area	5,899	1,060	224	77	383	467	717	139
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Enhanced Area	343	65	16	5	22	28	48	15
Two Speed Idle (TSI)	Change of Ownership	Referee	3	10	1	7	2	1	7	8
Two Speed Idle (TSI)	Change of Ownership	Test and Repair	4,813	573	104	54	239	209	434	88
Two Speed Idle (TSI)	Change of Ownership	Test and Repair Dealer	105	7	0	0	5	2	6	1
Two Speed Idle (TSI)	Change of Ownership	Test Only	2,929	516	109	46	165	214	341	93
Two Speed Idle (TSI)	Enhanced	Gold Shield in Basic Area	1,593	155	23	25	65	46	104	37
Two Speed Idle (TSI)	Enhanced	Gold Shield in COO Area	1,556	159	26	12	82	50	114	23
Two Speed Idle (TSI)	Enhanced	Gold Shield in Enhanced Area	15,210	1,590	196	102	966	388	1,246	209
Two Speed Idle (TSI)	Enhanced	Government Fleet	0	57	6	2	39	12	45	5

	Program Areas	Station Types	Certificates Issued	Total Failed	Gross Polluters	Tampered	All OBD-II Failed	All Emission Failed	All Functional Failed	All Visual Failed
Two Speed Idle (TSI)	Enhanced	Permanent Fleet Registered	68	6	0	0	5	1	5	0
Two Speed Idle (TSI)	Enhanced	Referee	49	36	6	15	17	8	22	18
Two Speed Idle (TSI)	Enhanced	Test and Repair	61,857	3,313	290	146	2,304	614	2,730	305
Two Speed Idle (TSI)	Enhanced	Test and Repair Dealer	1,427	47	2	2	36	6	41	3
Two Speed Idle (TSI)	Enhanced	Test Only	152,351	12,029	1,271	531	8,019	2,659	9,450	1,118
Two Speed Idle (TSI)	Partial	Gold Shield in Basic Area	142	13	2	2	9	2	10	1
Two Speed Idle (TSI)	Partial	Gold Shield in COO Area	141	13	3	0	7	5	8	1
Two Speed Idle (TSI)	Partial	Gold Shield in Enhanced Area	996	113	22	4	64	33	81	12
Two Speed Idle (TSI)	Partial	Test and Repair	7,168	596	66	34	367	139	472	70
Two Speed Idle (TSI)	Partial	Test and Repair Dealer	151	15	1	0	10	2	15	0
Two Speed Idle (TSI)	Partial	Test Only	3,905	377	49	27	221	102	263	54
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Basic Area	1,131	177	32	27	76	60	119	47
Two Speed Idle (TSI)	Unknown Program	Gold Shield in COO Area	2,641	347	77	30	154	134	255	62
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Enhanced Area	1,099	111	17	3	73	30	94	13
Two Speed Idle (TSI)	Unknown Program	Government Fleet	0	23	5	0	14	8	16	0
Two Speed Idle (TSI)	Unknown Program	Referee	16	9	2	5	1	3	3	6
Two Speed Idle (TSI)	Unknown Program	Test and Repair	14,527	1,140	130	96	658	287	907	176
Two Speed Idle (TSI)	Unknown Program	Test and Repair Dealer	1,376	33	2	2	23	6	25	3
Two Speed Idle (TSI)	Unknown Program	Test Only	10,260	729	107	55	449	201	543	97
UnKnown TestType	Basic	Gold Shield in Basic Area	719	58	0	7	40	58	40	21
UnKnown TestType	Basic	Gold Shield in COO Area	36	3	0	1	2	3	2	1
UnKnown TestType	Basic	Gold Shield in Enhanced Area	179	14	0	2	7	15	7	7
UnKnown TestType	Basic	Government Fleet	0	0	0	0	0	13	0	0
UnKnown TestType	Basic	Referee	12	6	0	5	2	6	2	5
UnKnown TestType	Basic	Test and Repair	5,210	290	0	40	226	307	226	78
UnKnown TestType	Basic	Test and Repair Dealer	905	33	0	4	25	39	25	8
UnKnown TestType	Basic	Test Only	924	51	0	14	36	55	36	17
UnKnown TestType	Change of Ownership	Gold Shield in Basic Area	12	2	0	0	1	2	1	1
UnKnown TestType	Change of Ownership	Gold Shield in COO Area	234	16	0	3	10	17	10	6

	Program Areas	Station Types	Certificates Issued	Total Failed	Gross Polluters	Tampered	All OBD-II Failed	All Emission Failed	All Functional Failed	All Visual Failed
UnKnown TestType	Change of Ownership	Test and Repair	178	6	0	1	4	7	4	2
UnKnown TestType	Change of Ownership	Test and Repair Dealer	16	1	0	1	0	1	0	1
UnKnown TestType	Change of Ownership	Test Only	58	6	0	1	3	6	3	3
UnKnown TestType	Enhanced	Gold Shield in Basic Area	61	5	0	1	3	5	3	2
UnKnown TestType	Enhanced	Gold Shield in COO Area	139	9	0	1	7	10	7	2
UnKnown TestType	Enhanced	Gold Shield in Enhanced Area	2,337	155	0	25	114	185	114	45
UnKnown TestType	Enhanced	Government Fleet	0	4	0	0	4	152	4	0
UnKnown TestType	Enhanced	Permanent Fleet Registered	1	2	0	0	2	2	2	0
UnKnown TestType	Enhanced	Referee	49	14	0	12	1	18	1	13
UnKnown TestType	Enhanced	Test and Repair	9,000	432	0	56	321	659	321	133
UnKnown TestType	Enhanced	Test and Repair Dealer	91	2	0	0	2	4	2	0
UnKnown TestType	Enhanced	Test Only	14,618	831	0	137	618	952	618	243
UnKnown TestType	Partial	Gold Shield in Basic Area	15	4	0	0	2	4	2	2
UnKnown TestType	Partial	Gold Shield in Enhanced Area	439	26	0	3	19	27	19	8
UnKnown TestType	Partial	Government Fleet	0	0	0	0	0	1	0	0
UnKnown TestType	Partial	Referee	2	2	0	2	1	2	1	2
UnKnown TestType	Partial	Test and Repair	2,678	112	0	26	66	131	66	50
UnKnown TestType	Partial	Test Only	1,162	73	0	13	53	74	53	22
UnKnown TestType	Unknown Program	Gold Shield in Basic Area	45	3	0	0	3	4	3	1
UnKnown TestType	Unknown Program	Gold Shield in COO Area	192	7	0	1	5	7	5	2
UnKnown TestType	Unknown Program	Gold Shield in Enhanced Area	166	7	0	1	5	13	5	2
UnKnown TestType	Unknown Program	Government Fleet	0	0	0	0	0	119	0	0
UnKnown TestType	Unknown Program	Referee	71	19	0	17	0	19	1	19
UnKnown TestType	Unknown Program	Test and Repair	1,409	49	0	9	36	121	36	13
UnKnown TestType	Unknown Program	Test and Repair Dealer	80	0	0	0	0	5	0	0
UnKnown TestType	Unknown Program	Test Only	1,146	51	0	6	38	94	38	14